WHAT IS CLAIMED IS:

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An optical transmitter module which has an optical semiconductor element, an optical fiber optically coupled to said optical semiconductor element, an inline optical isolator provided for said optical fiber, and a package case containing said optical semiconductor element and said optical fiber, comprising:

a substrate member with one end of said optical fiber on the light incident side fixed thereon to be optically coupled to said optical semiconductor element:

a thermoelectric cooler with said substrate member joined to a top surface thereof; and

a pipe-like support member projecting from the side face of said package case for fixing said optical isolator.

- 2. The optical transmitter module according to claim 1, wherein the end of said optical fiber on the light incident side is spherical or cuneal in shape.
- 3. The optical transmitter module according to claim 1, wherein the length of said optical fiber from said optical isolator to the point in which it is fixed to optically couple to said optical semiconductor element is 15 to 25 mm.
- 4. The optical transmitter module according to claim 1, wherein said optical isolator and said support

member are fixed to each other through laser welding or brazing.

An optical transmitter module which has an optical semiconductor element, an optical fiber optically coupled to said optical semiconductor element, an inline optical isolator provided for said optical fiber, a substrate member with one end of said optical fiber fixed thereon to optically couple to said optical semiconductor element, a thermoelectric cooler with said substrate member joined to the top surface thereof, and a package case containing said optical semiconductor element and said optical fiber,

wherein one end of said optical fiber is bonded to the top surface of said substrate member and then said optical isolator is welded to a pipe-like support member provided on the side face of said package case.

An optical transmitter module which has an optical semiconductor element, an optical fiber, an optical isolator provided for said optical fiber, a substrate member with one end of said optical fiber fixed thereon to optically couple to said optical semiconductor element, a thermoelectric cooler controlling the temperature of said optical semiconductor element, and a package case,

wherein said substrate member and said optical semiconductor element are provided on the top surface of said thermoelectric cooler and said optical

isolator is fixed to a support member provided on the side face of said package case.

7. The optical transmitter module according to claim 6, wherein a signal light passing through said optical isolator is a substantially collimated light or a substantially converged light.

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